

FORM PTO-1598  
(REV 10-2000)

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

ATTORNEY'S DOCKET NUMBER

**TRANSMITTAL LETTER TO THE UNITED STATES  
DESIGNATED/ELECTED OFFICE (DO/EO/US)  
CONCERNING A FILING UNDER 35 U.S.C. 371**

WBG-001

U.S. APPLICATION NO. (If known, see 37 CFR 1.5)

**097868957**INTERNATIONAL APPLICATION NO.  
PCT/IL99/00689INTERNATIONAL FILING DATE  
16 DECEMBER 1999PRIORITY DATE CLAIMED  
24 DECEMBER 1998

TITLE OF INVENTION CREDIT CARD VERIFICATION SYSTEM AND METHOD

APPLICANT(S) FOR DO/EO/US  
Moshe Milner and David M. Makover

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1. ☒ This is a **FIRST** submission of items concerning a filing under 35 U.S.C. 371.
2. ☐ This is a **SECOND** or **SUBSEQUENT** submission of items concerning a filing under 35 U.S.C. 371.
3. ☒ This is an express request to promptly begin national examination procedures (35 U.S.C. 371(f)).
4. ☒ The US has been elected by the expiration of 19 months from the priority date (PCT Article 31).
5. ☒ A copy of the International Application as filed (35 U.S.C. 371(c)(2))
  - a. ☐ is attached hereto (required only if not communicated by the International Bureau).
  - b. ☒ has been communicated by the International Bureau. **Publ. No. WO 00/39759**
  - c. ☐ is not required, as the application was filed in the United States Receiving Office (RO/US).
6. ☐ An English language translation of the International Application as filed (35 U.S.C. 371(c)(3)).
7. ☒ Amendments to the claims of the International Application under PCT Article 19(35 U.S.C. 371(c)(3))
  - a. ☐ are attached hereto (required only if not communicated by the International Bureau).
  - b. ☐ have been communicated by the International Bureau.
  - c. ☐ have not been made; however, the time limit for making such amendments has NOT expired.
  - d. ☒ have not been made and will not be made.
8. ☐ An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).
9. ☐ An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).
10. ☐ An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).

**Items 11 to 16 below concern document(s) or information included:**

11. ☐ An Information Disclosure Statement under 37 CFR 1.97 and 1.98.
12. ☐ An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
13. ☒ A **FIRST** preliminary amendment.  
☐ A **SECOND** or **SUBSEQUENT** preliminary amendment.
14. ☐ A substitute specification.
15. ☐ A change of power of attorney and/or address letter.
16. ☒ Other items or information:

Certification Under 37 CFR 1.10

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U.S. APPLICATION NO. **097/868957**

INTERNATIONAL APPLICATION NO.

PCT/IL99/00689

ATTORNEY'S DOCKET NUMBER  
WBG-00117. ☒ The following fees are submitted:**BASIC NATIONAL FEE** (37 CFR 1.492 (a) (1) - (5)):

Neither international preliminary examination fee (37 CFR 1.482)  
nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO  
and International Search Report not prepared by the EPO or JPO ..... **\$1000.00**

International preliminary examination fee (37 CFR 1.482) not paid to  
USPTO but International Search Report prepared by the EPO or JPO ..... **\$860.00**

International preliminary examination fee (37 CFR 1.482) not paid to USPTO but  
international search fee (37 CFR 1.445(a)(2)) paid to USPTO ..... **\$710.00**

International preliminary examination fee paid to USPTO (37 CFR 1.482)  
but all claims did not satisfy provisions of PCT Article 33(1)-(4) ..... **\$690.00**

International preliminary examination fee paid to USPTO (37 CFR 1.482)  
and all claims satisfied provisions of PCT Article 33(1)-(4) ..... **\$100.00**

**ENTER APPROPRIATE BASIC FEE AMOUNT =****CALCULATIONS** PTO USE ONLY

\$ 860.00

Surcharge of **\$130.00** for furnishing the oath or declaration later than ☐ 20 ☐ 30  
months from the earliest claimed priority date (37 CFR 1.492(e)).

\$

CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE
Total claims	4 - 20 =	0	X \$18.00
Independent claims	2 - 3 =	2	X \$80.00
<b>MULTIPLE DEPENDENT CLAIM(S)</b> (if applicable)			+ \$270.00

\$

**TOTAL OF ABOVE CALCULATIONS =**

\$ 860.00

☒ Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above  
are reduced by 1/2.

\$ 430.00

**SUBTOTAL =**

\$ 430.00

Processing fee of **\$130.00** for furnishing the English translation later than ☐ 20 ☐ 30  
months from the earliest claimed priority date (37 CFR 1.492(f)).

\$

**TOTAL NATIONAL FEE =**

\$ 430.00

Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be  
accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). **\$40.00** per property

\$

**TOTAL FEES ENCLOSED =**

\$ 430.00

Amount to be refunded:	\$
charged:	\$

☒ A check in the amount of \$ 430.00 to cover the above fees is enclosed.

☐ Please charge my Deposit Account No. \_\_\_\_\_ in the amount of \$ \_\_\_\_\_ to cover the above fees.  
A duplicate copy of this sheet is enclosed.

☒ The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any  
overpayment to Deposit Account No. 19-0590. A duplicate copy of this sheet is enclosed.

**NOTE:** Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.

SEND ALL CORRESPONDENCE TO:

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SIGNATURE:

Thomas Schneck

NAME

24,518

REGISTRATION NUMBER

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Moshe Milner et al.

PATENT APPLICATION

Serial No.:

Group Art Unit:

Filed: December 16, 1999 (IA filing date)

For: CREDIT CARD VERIFICATION SYSTEM AND METHOD

Preliminary Amendment

Hon. Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:

Applicant in the above identified patent application  
submits the following preliminary amendment.

In the claims:

Please cancel claims 1-7. Replacement pages 7 and  
8 of the claims are included herewith.

In the specification:

Please amend pages 1-3 of the specification as  
follows. Replacement pages 1-3 of the specification are  
included herewith.

On page 1, line 24, before "Summary of the  
Invention," please add the following paragraphs:

- - U.S. Patent 3,569,619 discloses a verification  
system using coded identifying and storage means having a  
credit card company data storage and communication unit for  
recording and storing data concerning authorized credit card  
holders, including an electronically reproducible image for  
each credit card holder. Means are provided for introducing

the image into the company's data storage unit. At least one remotely positioned credit card reader and image display means is also provided, communicating with the company data storage unit, for selectively retrieving data from the storage unit to be displayed on the image display means and to be viewed and approved by the sales person.

U.S. Patent 5,095,196 is directed to a security system having imaging functions, constituting an access control system for examining a passer having an ID card including a photograph and key data for searching registered data of the passer.

WO 93/11511 also discloses personal identification devices and access control systems. - -.

On page 2, delete the paragraphs starting on line 3 and ending on line 20.

On page 2, line 21, delete "In addition" and insert - - In order to achieve the above objectives - - in place thereof.

On page 2, line 22, delete "said method".

On page 2, line 24, after "communication unit", insert - - or image display means - -.

On page 2, line 25, delete "viewing means" and insert - - a camera - -.

On page 2, line 26, after "said data storage unit", insert - - or image display means - -.

On page 2, line 26, delete "and effecting" and insert - - and camera to effect - - in place thereof.

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On page 2, line 27, delete "said viewing means" and insert - - the company's image display means - -.

On page 2, line 28, before "card holder", insert - -  
stored image of the - -.

On page 2, line 28, delete "to verify the holder's identity - -.

On page 2, line 29, delete "completing" and insert  
- - transmitting a signal to said purchasing location to  
complete - - in place thereof.

On page 3, delete the first paragraph encompassing lines 1-10.

On page 3, line 11, delete "In addition, the" and insert - - The - - in place thereof.

On page 3, line 11, after "invention" and before "provides", insert - - further - -.

Remarks

Applicant requests entry of the previously identified amendments in order to place the application in a better state for allowance. Replacement pages for the application are included herewith.

CERTIFICATE OF MAILING

I hereby certify that this paper (along with any paper referred to as being attached or enclosed) is being deposited with the United States Postal Service on the date shown below with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, Washington, D.C. 20231

Signed: Susan Wiens  
Typed Name: Susan Wiens  
Date: June 21, 2001

Respectfully submitted,

Thomas Schneck

Thomas Schneck

Reg. No. 24,518

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## CLAIMS

1. [Cancelled.]

2. [Cancelled.]

3. [Cancelled.]

4. [Cancelled.]

5. [Cancelled.]

6. [Cancelled.]

7. [Cancelled.]

8. A method for verifying the identity of a credit card holder effecting a transaction, comprising:

introducing data and an image relating to each authorized credit card holder into a credit card company's data storage and communication unit or image display means;

providing at least one credit card reader and a camera at a purchasing location for effecting communication with said data storage unit or image display means;

operating said credit card reader and camera to effect display of the credit card holder's image and data on the company's image display means;

comparing the displayed image with the stored image of the card holder, and

if the images are identical or similar and credit is approved, transmitting a signal to said purchasing location to complete the transaction.

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9. The method as claimed in claim 8, wherein said camera is operated to photograph the credit card holder and to communicate the picture to said data storage unit or image display means.

10. The method as claimed in claim 8, wherein said camera is operated to photograph the image of the credit card holder embedded in the credit card and to communicate the picture to said data storage unit or image display means.

11. A method enabling credit companies to monitor and verify credit card holder identity when a payment transaction is performed at a sales terminal, said method comprising:

- displaying multiple images of identification data, at least one of which is true;
- prompting the payment terminal operator to select the correct data;
- determining whether the selected data is correct, and
- either completing or denying the transaction.

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ART 33-44177

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JC18 Rec'd PCT/PTG 21 JUN 2001

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## CREDIT CARD VERIFICATION SYSTEM AND METHOD

### **Field of the Invention**

The present invention relates to a credit card verification system and method.

### **Background of the Invention**

Today, it is impossible to know whether a credit card presented for payment is in truth the credit card of the particular customer who is effecting the purchase; in other words, that the person presenting the card is its rightful owner.

At the time of effecting a transaction by means of a credit card at locations where a magnetic card reader is used, the card is passed through the reader and its details are communicated to the credit company. The credit company checks whether the card is in force, if the card was cancelled, if the card owner's bank approves the transaction at the indicated cost, and sometimes also other reasonable details of the purchase. This investigation does not provide a solution for cases in which the credit card is stolen, to the extent that the credit company does not yet know that the card was stolen. A credit company will approve a transaction using a stolen credit card, when it has not yet been informed that the card was stolen. In addition, credit cards are available upon which the owner's picture is printed; however, these cards are not protected, they can be counterfeited, and the cost of producing them is high.

The limited "self-defense" means of the credit company is usually considered to be the visual check of the salesperson collecting the payment, verifying that the signature of the purchaser conforms with the owner's signature sample on the card. Such verification is very limited, as it relies upon the motivation of the salesperson and enables no performance supervisory control by the credit company.

U.S. Patent No. 3,569,619 discloses a verification system using coded identifying and storage means having a credit card company data storage and communication unit for recording and storing data concerning authorized credit card holders, including an electronically reproducible image for each credit card holder. Means are provided for introducing the image into the company's data storage unit. At least one remotely positioned credit card reader and image display means is also

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WO 93/11511 also discloses personal identification devices and access control systems.

It is therefore a broad object of the present invention to overcome the above-described disadvantages of the use of credit cards and to provide a credit card verification method and system.

In order to achieve the above objectives, the invention provides a method for verifying the identity of a credit card holder effecting a transaction, comprising introducing data and an image relating to each authorized credit card holder into a credit card company's data storage and communication unit or image display means; providing at least one credit card reader and a camera at a purchasing location for effecting communication with said data storage unit or image display means; operating said credit card reader and camera to effect display of the credit card holder's image and data on the company's image display means; comparing the displayed image with the stored image of the card holder, and if the images are identical or similar and credit is approved, transmitting a signal to said purchasing location to complete the transaction.

The invention further provides a method enabling credit companies to monitor and verify credit card holder identity when a payment transaction is performed at a sales terminal, said method comprising displaying multiple images of identification data, at least one of which is true; prompting the payment terminal operator to select the correct

data; determining whether the selected data is correct, and either completing or denying the transaction.

### **Brief Description of the Drawings**

The invention will now be described in connection with certain preferred embodiments with reference to the following illustrative figures so that it may be more fully understood.

With specific reference now to the figures in detail, it is stressed that the particulars shown are by way of example and for purposes of illustrative discussion of the preferred embodiments of the present invention only, and are presented in the cause of providing what is believed to be the most useful and readily understood description of the principles and conceptual aspects of the invention. In this regard, no attempt is made to show structural details of the invention in more detail than is necessary for a fundamental understanding of the invention, the description taken with the drawings making apparent to those skilled in the art how the several forms of the invention may be embodied in practice.

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In the drawings:

Fig. 1 is a schematic illustration of a first embodiment of a credit card verification system according to the present invention;

Fig. 2 is a schematic illustration of a second embodiment of a credit card verification system according to the present invention, and

Fig. 3 is an illustration of a data verification display in the sales terminal of a payment location.

### Detailed Description of Preferred Embodiments

In the preferred embodiment of Fig. 1, there is shown a credit card verification system 2 including a credit card company data storage and communication unit 4 for recording and storing data concerning credit cards and credit card holders. At the company site, and/or preferably at any bank or other institution where credit cards are issued, one or more cameras and other *per se* known installations 6 are located, for creating an electronically reproducible image of each authorized credit card holder. Such an image may be constituted by a picture of the holder's face, a portion thereof, or any other biometric visual data, in any desired disposition or dispositions, *e.g.*, front and/or side views. Hence, the term "image" as used herein is meant to include all such features of the credit card holder, and/or any other visual indicia associated with that person. The installations 6 communicate with the company's credit card data storage and communication unit 4 via communication lines 8 or wirelessly, in accordance with available technology.

At the goods and/or services purchase sites, *e.g.*, stores, garages, restaurants, *etc.*, there are located credit card readers 10 and adjacent image display means 12, such as a display screen, a printer, or the like. The readers 10 and display means 12 communicate via lines 14, or wirelessly, with unit 4. Upon request, or automatically upon activation of the reader 10, the image of the registered credit card holder as entered and stored in unit 4, is displayed on image display means 12. Hence, in addition to credit availability and clearance which is presently effected by operating a credit card reader, the operator will benefit from verification of the true identity of the

credit card holder by visually comparing the image displayed with the person presenting the credit card. If the two are identical or similar, the transaction will be completed.

A modification of the above-described system is shown in Fig. 2. Accordingly, instead of providing display means 12 at each and every purchasing site, it is possible to replace the screen with a camera 16 for obtaining the customer's image, transferring it to one or more display screens 18 located at the company's control center. With such a system, the verification of the customer's identity is effected at the credit card company, where the company's operator compares the image displayed on the company's screen with the stored image. If the images match, the company is the one to grant the credit by certifying the completion of the transaction. Camera 16 may take the picture of the credit card holder and transfer it to the company's screen 18, or it may transfer the credit card holder's picture embedded in the credit card for verification at the data storage unit 4, either with or without utilizing the screen 18.

In order to deter salespersons from neglecting to properly compare the visual data at a sale payment location, a control method has been devised. As seen in Fig. 3, the data displayed to the salesperson on screen 18 will contain at least one additional, similar image or indicia, e.g., the image of a different person, and the salesperson will have to select the correct image or indicia from the display. Failure of the salesperson to select the right image or indicia will result in denial of the transaction, coupled with other deterrent means, such as delay in resuming operation of the payment terminal, the requirement of intervention by a local supervisor, release by a control function of the credit company, prolonged subsequent verification checks, or the like.

The failure statistics of a specific sales clerk or payment location may further be monitored in real time or gathered by the credit company, in order to enable control over a negligent workforce or organization, or in order to enable the credit company to reward the better performers.

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It is noted that the verification supervisory control method, which is an essential part of the present invention, may be further applied to other card holder data, or, alternatively, may be applied when biometric visual data comparison is not enabled or not required for any reason. According to the present invention, any data or partial data associated with the card holder, such as a sample signature, expiry or birth date, may be displayed together with one more such similar data. The payment collector is required to perform the selection of the true data from the choice of data displayed. Failure to choose the correct data will result in the denial of credit and at least one punitive action, and may further be used by the credit company to monitor the verification performance of payment collectors.

It will be evident to those skilled in the art that the invention is not limited to the details of the foregoing illustrated embodiments and that the present invention may be embodied in other specific forms without departing from the spirit or essential attributes thereof. The present embodiments are therefore to be considered in all respects as illustrative and not restrictive, the scope of the invention being indicated by the appended claims rather than by the foregoing description, and all changes which come within the meaning and range of equivalency of the claims are therefore intended to be embraced therein.

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ART 32 AND 1

CLAIMS

1. A method for verifying the identity of a credit card holder effecting a transaction, comprising:

introducing data and an image relating to each authorized credit card holder into a credit card company's data storage and communication unit or image display means;

providing at least one credit card reader and a camera at a purchasing location for effecting communication with said data storage unit or image display means;

operating said credit card reader and camera to effect display of the credit card holder's image and data on the company's image display means;

comparing the displayed image with the stored image of the card holder, and  
if the images are identical or similar and credit is approved, transmitting a signal to said purchasing location to complete the transaction.

2. The method as claimed in claim 1, wherein said camera is operated to photograph the credit card holder and to communicate the picture to said data storage unit or image display means.

3. The method as claimed in claim 1, wherein said camera is operated to photograph the image of the credit card holder embedded in the credit card and to communicate the picture to said data storage unit or image display means.

4. A method enabling credit companies to monitor and verify credit card holder identity when a payment transaction is performed at a sales terminal, said method comprising:

displaying multiple images of identification data, at least one of which is true;  
prompting the payment terminal operator to select the correct data;  
determining whether the selected data is correct, and  
either completing or denying the transaction.

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Fig.1.

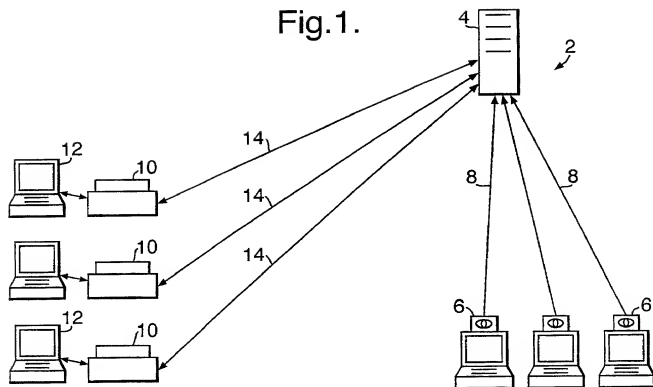


Fig.2.

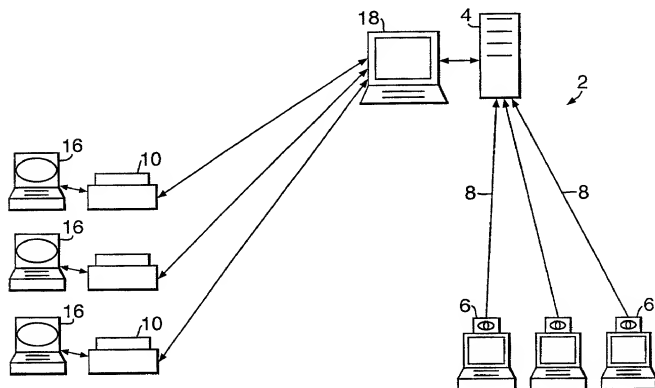
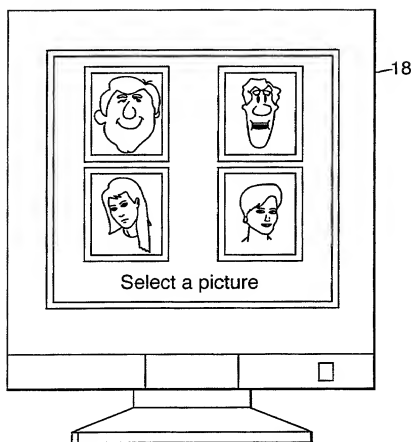




Fig.3.



Please type a plus sign (+) inside this box → ☐

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Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE  
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**DECLARATION FOR UTILITY OR  
DESIGN  
PATENT APPLICATION  
(37 CFR 1.63)**

☐ Declaration Submitted with Initial Filing OR ☒ Declaration Submitted after Initial Filing (surcharge (37 CFR 1.16 (e)) required)

<b>Attorney Docket Number</b>	WBG-001
<b>First Named Inventor</b>	Moshe Milner
<b>COMPLETE IF KNOWN</b>	
<b>Application Number</b>	/
<b>Filing Date</b>	12/16/1999 (IA Filing Date)
<b>Group Art Unit</b>	
<b>Examiner Name</b>	

As a below named inventor, I hereby declare that:

My residence, post office address, and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

CREDIT CARD VERIFICATION SYSTEM AND METHOD

the specification of which (Title of the Invention)

☐ is attached hereto  
OR

☒ was filed on (MM/DD/YYYY) 12/16/1999 as United States Application Number or PCT International

Application Number PCT/IL 99/00889 and was amended on (MM/DD/YYYY) (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or 365(b) of any foreign application(s) for patent or inventor's certificate, or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or of any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed	Certified Copy Attached?
127727	Israel	12/24/1998	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>

☐ Additional foreign application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto.

I hereby claim the benefit under 35 U.S.C. 119(e) of any United States provisional application(s) listed below.

Application Number(s)	Filing Date (MM/DD/YYYY)
	<input type="checkbox"/> Additional provisional application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto.

[Page 1 of 2]

Burden Hour Statement: This form is estimated to take 0.4 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

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 Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE  
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## DECLARATION — Utility or Design Patent Application

I hereby claim the benefit under 35 U.S.C. 120 of any United States application(s), or 365(c) of any PCT international application designating the United States of America, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT international application in the manner provided by the first paragraph of 35 U.S.C. 115, I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application.

U.S. Patent Application or PCT Parent Number	Parent Filing Date (MM/DD/YYYY)	Parent Patent Number (if applicable)

☐ Additional U.S. or PCT international application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto.

As a named inventor, I hereby appoint the following registered practitioner(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith: ☒ Customer Number 003897 ☐ OR ☒ Registered practitioner(s) name/registration number listed below

Name	Registration Number	Name	Registration Number
Thomas Schneck	24,518	David M. Schneck	43,094
Mark Protsik	31,788	Gina McCarthy	42,986
John P. McGuire, Jr.	41,984		

☐ Additional registered practitioner(s) named on supplemental Registered Practitioner Information sheet PTO/SB/02C attached hereto.

Direct all correspondence to: ☒ Customer Number or Bar Code Label 003897 ☐ OR ☒ Correspondence address below

Name	<u>Thomas Schneck</u>		
Address	<u>P.O. Box 2-E</u>		
Address			
City	<u>San Jose</u>	State	<u>CA</u>
Country	<u>USA</u>	Telephone	<u>408/297-9733</u>
		Fax	<u>408/297-9748</u>

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Name of Sole or First Inventor:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle (if any))		Family Name or Surname	
<u>Moshe</u>		<u>Milner</u>	
Inventor's Signature	<u>Moshe Milner</u>		Date <u>5 July 2001</u>
Residence: City	<u>Shoam</u>	State	<u>IL</u>
		Country	<u>Israel</u>
Post Office Address	<u>22 Hayarden Street</u>		
Post Office Address			
City	<u>Shoam</u>	State	<u>IL</u>
		ZIP	<u>73142</u>
		Country	<u>Israel</u>

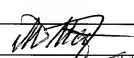
☒ Additional inventors are being named on the 1 supplemental Additional Inventor(s) sheet(s) PTO/SB/02A attached hereto

Please type a plus sign (+) inside this box → ☐

PTO/SB/02A (3-97)  
Approved for use through 9/30/98. OMB 0651-0032  
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<b>DECLARATION</b>	<b>ADDITIONAL INVENTOR(S) Supplemental Sheet</b> Page <u>1</u> of <u>1</u>
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<b>Name of Additional Joint Inventor, if any:</b>		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle (if any))		Family Name or Surname	
David M.		Makover	
Inventor's Signature			Date
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		Country	Israel
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Post Office Address			
City	Tel-Aviv	State	
		ZIP	69697
		Country	Israel
<b>Name of Additional Joint Inventor, if any:</b>		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle (if any))		Family Name or Surname	
Inventor's Signature			Date
Residence: City		State	
		Country	
Post Office Address			
Post Office Address			
City		State	
		ZIP	
		Country	
<b>Name of Additional Joint Inventor, if any:</b>		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle (if any))		Family Name or Surname	
Inventor's Signature			Date
Residence: City		State	
		Country	
Post Office Address			
Post Office Address			
City		State	
		ZIP	
		Country	

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